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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and

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right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 45 Jun 25 HSDB has been reloaded

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:58:24 ON 30 JUN 2003

=> ile uspatfull

ILE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file uspatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'USPATFULL' ENTERED AT 12:58:35 ON 30 JUN 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 26 Jun 2003 (20030626/PD)

FILE LAST UPDATED: 26 Jun 2003 (20030626/ED)

HIGHEST GRANTED PATENT NUMBER: US6584613

HIGHEST APPLICATION PUBLICATION NUMBER: US2003121088

CA INDEXING IS CURRENT THROUGH 26 Jun 2003 (20030626/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 26 Jun 2003 (20030626/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

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```
>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<
```

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s insect repellent?/ti
      1282 INSECT/TI
      704 REPELLENT?/TI
L1      144 INSECT REPELLENT?/TI
      ((INSECT(W)REPELLENT?)/TI)
```

```
=> s deet
L2      367 DEET
```

```
=> s l1 and l2
L3      76 L1 AND L2
```

```
=> s flie or yellow jackets or ant?
      30 FLIE
      195291 YELLOW
      12978 JACKETS
      115 YELLOW JACKETS
      (YELLOW(W)JACKETS)
      767316 ANT?
L4      767351 FLIE OR YELLOW JACKETS OR ANT?
```

=>

=> s

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):s

```
L5      2412048 S
```

=>

=>

=>

=>

=> d his

(FILE 'HOME' ENTERED AT 12:58:24 ON 30 JUN 2003)

FILE 'USPATFULL' ENTERED AT 12:58:35 ON 30 JUN 2003

```
L1      144 S INSECT REPELLENT?/TI
L2      367 S DEET
L3      76 S L1 AND L2
L4      767351 S FLIE OR YELLOW JACKETS OR ANT?
L5      2412048 S S
```

=> s flie? or yellow jacket? or ant?

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13723 FLIE?
195291 YELLOW
85698 JACKET?
186 YELLOW JACKET?
(YELLOW(W)JACKET?)

767316 ANT?
L6 775559 FLIE? OR YELLOW JACKET? OR ANT?

=> s 13 and 16

L7 66 L3 AND L6

=> s salicylate? or benzoate? or lemon oil? or tea tree oil?

23618 SALICYLATE?
56543 BENZOATE?
10111 LEMON
515670 OIL?
2148 LEMON OIL?
(LEMON(W)OIL?)

22232 TEA
58861 TREE
515670 OIL?
394 TEA TREE OIL?
(TEA(W)TREE(W)OIL?)

L8 71085 SALICYLATE? OR BENZOATE? OR LEMON OIL? OR TEA TREE OIL?

=> s 17 and 18

L9 29 L7 AND L8

=> s fragrance?

L10 21948 FRAGRANCE?

=> s 19 and 110

L11 21 L9 AND L10

=> s paper or plastisol or gel or fabric or clay or wax or plastic

391822 PAPER
4098 PLASTISOL
268070 GEL
145424 FABRIC
73413 CLAY
78493 WAX
683344 PLASTIC

L12 1224024 PAPER OR PLASTISOL OR GEL OR FABRIC OR CLAY OR WAX OR PLASTIC

=> s 111 and 112

L13 18 L11 AND L12

=> d ibib abs 1-18

L13 ANSWER 1 OF 18 USPATFULL

ACCESSION NUMBER: 2003:158969 USPATFULL

TITLE: **Insect repellent** comprising
essential volatile oils and use thereof

INVENTOR(S): Willis, Mark T., Goetzville, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108582	A1	20030612
APPLICATION INFO.:	US 2001-946427	A1	20011210 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Mark T. Willis, 12941 E. Townline Road, Goetzville, MI,		

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49736

NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 204

AB A composition that has insect repellent properties is made from essential volatile oils. The inventive composition includes a combination of menthol, eucalyptus oil, citronella oil and/or **tea tree oil**, alcohol, water and skin moisturizing components. Menthol in crystal or liquid form. Essential oil of eucalyptus. Essential oil of citronella and/or **tea tree oil**. Isopropyl alcohol, grain alcohol or any other type of distilled alcohol. Deionized, distilled or any other type of sterile water. Skin conditioning oils including but not limited to mineral oil, jojoba oil, glycerin, Vitamin E. The topical composition can be formulated as a solution, suspension, cream, ointment, gel, film or spray.

L13 ANSWER 2 OF 18 USPATFULL

ACCESSION NUMBER: 2003:145935 USPATFULL

TITLE: Extended duration **insect repellent**

INVENTOR(S): Gonzalez, Anthony D., Waldwick, NJ, UNITED STATES
Pechko, Andrew H., Ridgewood, NJ, UNITED STATES
Kalafsky, Robert E., Ogdensburg, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003099679	A1	20030529
APPLICATION INFO.:	US 2002-203839	A1	20020814 (10)
	WO 2001-US44299		20011127
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Charles N J Ruggiero, Ohlandt Greeley Ruggiero & Perle, 10th Floor, One Landmark Square, Stamford, CT, 06901-2682		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Page(s)		
LINE COUNT:	342		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is an insect repellent composition. The composition has an amount of an insect repellent active effective to repel insects when the composition is applied to the skin, and an amount of a urethane polymer sufficient to form a film on the surface of the skin. The composition also has a cosmetically-acceptable vehicle. Also disclosed is a method of repelling insects from the skin by applying the composition to the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 3 OF 18 USPATFULL

ACCESSION NUMBER: 2003:37179 USPATFULL

TITLE: Environmentally safe **insect repellent**
composition

INVENTOR(S): Fried, Howard L., New Rochelle, NY, UNITED STATES
Khazan, Donna, North Brunswick, NY, UNITED STATES
Morales, Mark N., Staten Island, NY, UNITED STATES

PATENT ASSIGNEE(S): The 54 Group, Ltd., New Rochelle, NY (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2003026823 A1 20030206
APPLICATION INFO.: US 2002-162009 A1 20020604 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-874361, filed
on 5 Jun 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-209346P	20000605 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BRUCE E. LILLING, LILLING & LILLING P.C., P.O. BOX 560, GOLDEN BRIDGE, NY, 10526	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
LINE COUNT:	509	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An insect repellent composition containing citronella oil, D-limonene, 2 or more synergists, and 3 or more essential oils as the active ingredients. The preferred essential oils are geranium oil, rosemary oil and peppermint oil, but other essential oils may be used. In the preferred embodiment the synergists are aldehyde C-14 and aldehyde C-18. As desired, vanillin may be used as a stabilizer, and **fragrances**, **fragrance** enhancers and surfactants may be utilized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 18 USPATFULL

ACCESSION NUMBER: 2002:239050 USPATFULL
TITLE: Use of menthyl-2 pyrrolidone-5-carboxylate as an
insect repellent
INVENTOR(S): Watkins, Stephen D, Kent, UNITED KINGDOM
Hills, Maxine J, Kent, UNITED KINGDOM
Birch, Richard A, Kent, UNITED KINGDOM
PATENT ASSIGNEE(S): Quest International BV, Naarden, NETHERLANDS (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451844	B1	20020917
	WO 2000016738		20000330
APPLICATION INFO.:	US 2001-787320		20010316 (9)
	WO 1999-GB2808		19990825
			20010316 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1998-20233	19980918
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Pak, John	
LEGAL REPRESENTATIVE:	Morgan, Lewis & Bockius LLP	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	517	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use of menthyl 2-pyrrolidone-5-carboxylate as an insect repellent, usually by application to a substrate or into an air space. The menthyl 2-pyrrolidone-5-arboxylate can be used as a composition, which may be perfumed. A useful composition comprises a mixture of menthyl 2-pyrrolidone-5-arboxylate and a known insect repellent or a compound shown to be an effective insect repellent on a test described herein.

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 18 USPATFULL

ACCESSION NUMBER: 2002:60722 USPATFULL
TITLE: **Insect repellent** compositions
INVENTOR(S): Khazan, Donna, North Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002034556	A1	20020321
APPLICATION INFO.:	US 2001-874361	A1	20010605 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-209346P	20000605 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	292	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention details compositions for use in repelling insects that are inexpensive to manufacture, easily applied and/or integrated and non-injurious to plant and animal life, including citronella oil, geranium oil, rosemary oil, peppermint oil, D-limonene, aldehyde C-14 and aldehyde C-18. Preferred compositions additionally contain lavender oil, piperitone, and eucalyptus oil.

Additionally, the present invention details methods for repelling insects from a person, animal or physical structure by applying or integrating a composition described herein. The present invention further details articles that have been impregnated with insect repelling compositions described herein such as, for example, candles, tablecloths, inks, textiles and personal care products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 18 USPATFULL

ACCESSION NUMBER: 2001:147446 USPATFULL
TITLE: Water resistant sunscreen and **insect repellent** composition
INVENTOR(S): Stewart, Ernest Glading, Thomasville, GA, United States
PATENT ASSIGNEE(S): Iguana, LLC, Thomasville, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6284227	B1	20010904
APPLICATION INFO.:	US 2000-736766		20001212 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-340837, filed on 28 Jun 1999, now patented, Pat. No. US 6159452, issued on 12 Dec 2000 Continuation-in-part of Ser. No. US 1996-640478, filed on 1 May 1996, now patented, Pat. No. US 5916541, issued on 29 Jun 1999 Continuation-in-part of Ser. No. US 1993-154584, filed on 18 Nov 1993, now patented, Pat. No. US 5518712, issued on 21 May 1996 Continuation-in-part of Ser. No. US 1992-904514, filed on 25 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		

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FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Williamson, Michael A.
LEGAL REPRESENTATIVE: Asman, Sanford J.
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 678

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved sunscreen protection and insect repellent combination composition having an SPF factor of about 2 to about 50 and further having an unexpected, unusually long efficacy period when used in rainy conditions or prolonged periods of high humidity, such as in a tropical or sub-tropical rain forests, or the like, and after the wearer has been underwater. The composition forms a stable emulsion lotion that is easy to store. No special precautions are required by the person who applies the lotion. The composition includes a sunscreen agent, an insect repellent, including p-menthane-3,8-diol, an emulsifying agent, and a film former, all in an aqueous solvent. The composition forms a thin film on the skin, but it is non-greasy to the touch. The lotion is easily removed by scrubbing with soap and water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 7 OF 18 USPATFULL

ACCESSION NUMBER: 2000:167500 USPATFULL

TITLE: Water resistant sunscreen and **insect repellent** composition

INVENTOR(S): Stewart, Ernest Glading, Thomasville, GA, United States

PATENT ASSIGNEE(S): Iguana, LLC, Thomasville, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6159452		20001212
APPLICATION INFO.:	US 1999-340837		19990628 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-640478, filed on 1 May 1996, now patented, Pat. No. US 5916541, issued on 29 Jun 1999 which is a continuation-in-part of Ser. No. US 1993-154584, filed on 18 Nov 1993, now patented, Pat. No. US 5518712, issued on 21 May 1996 which is a continuation-in-part of Ser. No. US 1992-904514, filed on 25 Jun 1992, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Dodson, Shelley A.
ASSISTANT EXAMINER: Williamson, Michael A.
LEGAL REPRESENTATIVE: Asman, Sanford J.
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 673

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved sunscreen protection and insect repellent combination composition having an SPF factor of about 2 to about 50 and further having an unexpected, unusually long efficacy period when used in rainy conditions or prolonged periods of high humidity, such as in a tropical or sub-tropical rain forests, or the like, and after the wearer has been underwater. The composition forms a stable emulsion lotion that is easy to store. No special precautions are required by the person who applies the lotion. The composition includes a sunscreen agent, an insect repellent, including 3-[N-Butyl-N-acetyl]-aminopropionic acid, ethyl ester ("IR3535.TM."), an emulsifying agent, and a film former, all in an aqueous solvent. The composition forms a thin film on the skin, but it is non-greasy to the touch. The lotion is easily removed by scrubbing

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with soap and water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 8 OF 18 USPATFULL

ACCESSION NUMBER: 1999:150630 USPATFULL

TITLE: Compositions and methods for improving the performance of chemical exfoliating agents, sunless tanning agents, skin lightening agents and **insect repellents**

INVENTOR(S): Siegfried, Robert W., Medford, NJ, United States
Burgo, Rocco, Cherry Hill, NJ, United States
O'Connor, Andrew P., Drexel Hill, PA, United States
Smith, Diana L., Tabernacle, NJ, United States

PATENT ASSIGNEE(S): Inolex Investment Corporation, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5989527		19991123
APPLICATION INFO.:	US 1998-12995		19980126 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kulkosky, Peter F.		
LEGAL REPRESENTATIVE:	Panitch Schwarze Jacobs & Nadel P.C.		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1513		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topical compositions for application to the stratum corneum include a polyester and an active ingredient which is a chemical exfoliating agent, sunless tanning agent, skin lightening agent and/or an insect repellent. The polyester substantially retains the active ingredient on or in the stratum corneum. A method for improving the effect of the active ingredient in a topical composition includes providing a polyester which functions to substantially retain the active ingredient on or in the stratum corneum to improve the effect of the active ingredient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 9 OF 18 USPATFULL

ACCESSION NUMBER: 1999:124474 USPATFULL

TITLE: **Insect repellent** composition and method for inhibiting the transmission and treatment of symptoms of vector-borne diseases

INVENTOR(S): Petrus, Edward J., Austin, TX, United States

PATENT ASSIGNEE(S): Advanced Medical Instruments, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965137		19991012
APPLICATION INFO.:	US 1998-192421		19981116 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Witz, Jean C.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	439		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A topical composition for the delivery of bio-affecting agents through

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the protective outer layer of skin into the underlying tissues and into the general circulation to prevent the causes and symptoms of vector-borne diseases. The transdermal penetration is achieved by the use of an essential volatile oil with insect repellent capabilities, such as eucalyptus oil. The bio-affective agents may be a combination of a zinc salt and form of vitamin A. A zinc salt may also be used for photoprotective purposes. The topical composition can be formulated as a solution, suspension, cream, ointment, **gel**, film or spray.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 10 OF 18 USPATFULL

ACCESSION NUMBER: 1999:72236 USPATFULL

TITLE: Water resistant sunscreen and **insect repellent** composition

INVENTOR(S): Stewart, Ernest G., 101 West Club Dr., Thomasville, GA, United States 31792

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5916541		19990629
APPLICATION INFO.:	US 1996-640478		19960501 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-154584, filed on 18 Nov 1993, now patented, Pat. No. US 5518712, issued on 21 May 1996 which is a continuation-in-part of Ser. No. US 1992-904514, filed on 25 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dees, Jose G.		
ASSISTANT EXAMINER:	Williamson, Michael A.		
LEGAL REPRESENTATIVE:	Asman, Sanford J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	643		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved sunscreen protection and insect repellent combination composition having an SPF factor of about 2 to about 50 and further having an unexpected, unusually long efficacy period when used in rainy conditions or prolonged periods of high humidity, such as in a tropical or sub-tropical rain forests, or the like, and after the wearer has been underwater. The composition forms a stable emulsion lotion that is easy to store. No special precautions are required by the person who applies the lotion. The composition includes a sunscreen agent, an insect repellent, an emulsifying agent, and a film former, all in an aqueous solvent. The composition forms a thin film on the skin, but it is non-greasy to the touch. The lotion is easily removed by scrubbing with soap and water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 11 OF 18 USPATFULL

ACCESSION NUMBER: 1998:78731 USPATFULL

TITLE: **Insect repellent**

INVENTOR(S): Jain, Pritam Sain, 1750 Boyd Street, Regina, Saskatchewan, Canada S4V 1S6

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5776478		19980707
APPLICATION INFO.:	US 1996-757324		19961127 (8)
DOCUMENT TYPE:	Utility		

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FILE SEGMENT: Granted
PRIMARY EXAMINER: Levy, Neil S.
LEGAL REPRESENTATIVE: Battison, Adrian D., Thrift, Murray E.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
LINE COUNT: 739

AB Plant extracts (oils and juices) are used in compositions for repelling insects for avoiding their annoyance, bites and reactions. The compositions are safe for use on the skin of people of all age groups as well as on their clothes. It is a three in one product that repels insects, protects the skin against the adverse effects of ultraviolet light and works as a post-bite treatment as well. The solution is non-flammable and has natural scents.

L13 ANSWER 12 OF 18 USPATFULL

ACCESSION NUMBER: 97:61729 USPATFULL
TITLE: **Insect repellent** lotions and sprays
INVENTOR(S): Beldock, Donald T., New York, NY, United States
Beldock, John A., Washington, DC, United States
PATENT ASSIGNEE(S): Primavera Laboratories, Inc., Rye, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5648398		19970715
APPLICATION INFO.:	US 1994-298839		19940831 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-37260, filed on 26 Mar 1993, now patented, Pat. No. US 5346922 which is a division of Ser. No. US 1992-905166, filed on 24 Jun 1992, now patented, Pat. No. US 5227406 which is a continuation of Ser. No. US 1990-506471, filed on 9 Apr 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Pak, John		
LEGAL REPRESENTATIVE:	Gordon, David P.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	319		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An insect repellent is provided and includes terpineol, citronella, and one or both of rhodinol extra and geraniol as actives provided in a conveying medium. The actives are used in small percentages, e.g. as little as 0.01%, preferably at between 0.05% and 0.08%, and preferably less than 1%, yet are synergistically efficacious, particularly against ticks carrying Lyme disease. The conveying medium can be a cosmetic moisturizer lotion, with or without a sun screen. For a spray, the conveying medium can be water or alcohol based. An attractive **fragrance** is preferably provided as approximately 0.4% of the insect repellent. The lotion or spray is safely applied in liberal quantities to humans and animals without unpleasant side effects such as stinging.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 13 OF 18 USPATFULL

ACCESSION NUMBER: 96:106164 USPATFULL
TITLE: Combination sunscreen and **insect repellent**
INVENTOR(S): Knowles, Jr., John H., Essex, MA, United States
Niles, John C., Marblehead, MA, United States

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PATENT ASSIGNEE(S): LittlePoint Corp., Wakefield, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5575988		19961119
APPLICATION INFO.:	US 1995-418766		19950407 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibeault, LLP		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
LINE COUNT:	652		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A combination sunscreen and insect repellent which is free of organic chemical sunscreens is disclosed. The composition contains an inorganic micronized inorganic substance and **DEET**. The sunscreen/insect repellent formulations described herein permit high loadings of inorganic sunscreen for improved performance. The composition can be applied topically as a lotion or cream.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 14 OF 18 USPATFULL

ACCESSION NUMBER: 96:103674 USPATFULL

TITLE: Liquid household cleaning composition with
insect repellent

INVENTOR(S): Steltenkamp, Robert J., Somerset, NJ, United States
Puckhaber, Jr., John H., Flemington, NJ, United States
Colodney, Daniel, Hampton, NJ, United States
Hendrickson, Thomas C., South River, NJ, United States
PATENT ASSIGNEE(S): Colgate-Palmolive Co., New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5573700		19961112
APPLICATION INFO.:	US 1995-440598		19950515 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-290446, filed on 15 Aug 1994 which is a continuation of Ser. No. US 1993-44138, filed on 8 Apr 1993 which is a continuation-in-part of Ser. No. US 1991-755276, filed on 5 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-734830, filed on 24 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-685329, filed on 15 Apr 1991, now patented, Pat. No. US 5258408 which is a continuation of Ser. No. US 1990-612747, filed on 13 Nov 1990, now patented, Pat. No. US 5182304 which is a continuation of Ser. No. US 1988-267141, filed on 4 Nov 1988, now patented, Pat. No. US 5006562 which is a continuation-in-part of Ser. No. US 1986-894985, filed on 8 Aug 1986, now abandoned which is a continuation-in-part of Ser. No. US 1987-71305, filed on 16 Jul 1987, now patented, Pat. No. US 4804683		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Straub, Gary P.		
ASSISTANT EXAMINER:	Vanoy, Timothy C.		
LEGAL REPRESENTATIVE:	Lieberman, Bernard, Serafino, James M.		
NUMBER OF CLAIMS:	9		

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EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 391
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous liquid detergent composition is provided for cleaning a hard surface and for repelling insects therefrom comprising a deterative proportion of a surface active detergent compound, an effective amount of an insect repellent material which is sufficient to repel insect from the hard surface after application of the detergent composition thereto, the liquid detergent composition being substantially free of a liquid hydrocarbon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 15 OF 18 USPATFULL

ACCESSION NUMBER: 96:98968 USPATFULL

TITLE: Liquid household cleaning composition with
insect repellent

INVENTOR(S): Steltenkamp, Robert J., Somerset, NJ, United States
Puckhaber, Jr., John H., Flemington, NJ, United States
Colodney, Daniel, Hampton, NJ, United States
Hendrickson, Thomas C., South River, NJ, United States
PATENT ASSIGNEE(S): Colgate-Palmolive Co., New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5569411		19961029
APPLICATION INFO.:	US 1995-441163		19950515 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-290444, filed on 15 Aug 1994, now abandoned which is a continuation of Ser. No. US 1993-44137, filed on 8 Apr 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-755267, filed on 5 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-734829, filed on 24 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-685329, filed on 15 Apr 1991, now patented, Pat. No. US 5258408 which is a continuation of Ser. No. US 1990-612747, filed on 13 Nov 1990, now patented, Pat. No. US 5182304 which is a continuation of Ser. No. US 1988-267141, filed on 4 Nov 1988, now patented, Pat. No. US 5006562 which is a continuation-in-part of Ser. No. US 1986-894985, filed on 8 Aug 1986, now abandoned And Ser. No. US 1987-71305, filed on 16 Jul 1987, now patented, Pat. No. US 4804683		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Straub, Gary P.
ASSISTANT EXAMINER: Vanoy, Timothy C.
LEGAL REPRESENTATIVE: Lieberman, Bernard, Serafino, James M.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous liquid detergent composition is provided for cleaning a hard surface and for repelling insects therefrom comprising a deterative proportion of a surface active detergent compound, an effective amount of at least one of certain defined insect repellent materials which is sufficient to repel insect from the hard surface after application of the detergent composition thereto, the liquid detergent composition

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being substantially free of a liquid hydrocarbon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 16 OF 18 USPATFULL

ACCESSION NUMBER: 94:80007 USPATFULL
TITLE: **Insect repellent** lotions and sprays
INVENTOR(S): Beldock, Donald T., New York, NY, United States
Beldock, John A., Washington, DC, United States
PATENT ASSIGNEE(S): Primavera Laboratories, Inc., Rye, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5346922		19940913
APPLICATION INFO.:	US 1993-37260		19930326 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1992-905166, filed on 24 Jun 1992, now patented, Pat. No. US 5227406 which is a continuation of Ser. No. US 1990-506471, filed on 9 Apr 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hollinden, Gary E.		
ASSISTANT EXAMINER:	Pak, John D.		
LEGAL REPRESENTATIVE:	Gordon, David P.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	311		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An insect repellent is provided and includes terpineol, citronella, and one or both of rhodinol extra and geraniol as actives provided in a conveying medium. The actives are used in small percentages, e.g. as little as 0.01%, preferably at between 0.05% and 0.08%, and preferably less than 1% yet are , synergistically efficacious, particularly against ticks carrying Lyme disease. The conveying medium can be a cosmetic moisturizer lotion, with or without a sun screen. For a spray, the conveying medium can be water or alcohol based. An attractive **fragrance** is preferably provided as approximately 0.4% of the insect repellent. The lotion or spray is safely applied in liberal quantities to humans and animals without unpleasant side effects such as stinging.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 17 OF 18 USPATFULL

ACCESSION NUMBER: 93:56948 USPATFULL
TITLE: **Insect repellent** lotions and sprays
INVENTOR(S): Beldock, Donald T., New York, NY, United States
Beldock, John A., Washington, DC, United States
PATENT ASSIGNEE(S): Primavera Laboratories, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5227406		19930713
APPLICATION INFO.:	US 1992-905166		19920624 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-506471, filed on 9 Apr 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Allen J.		
ASSISTANT EXAMINER:	Pak, John D.		

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LEGAL REPRESENTATIVE: Gordon, David P.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 289

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An insect repellent is provided and includes terpineol, citronella, and one or both of rhodinol extra and geraniol as actives provided in a conveying medium. The actives are used in small percentages, e.g. as little as 0.01%, preferably at between 0.05% and 0.08%, and preferably less than 1%, yet are synergistically efficacious, particularly against ticks carrying Lyme disease. The conveying medium can be a cosmetic moisturizer lotion, with or without a sun screen. For a spray, the conveying medium can be water or alcohol based. An attractive **fragrance** is preferably provided as approximately 0.4% of the insect repellent. The lotion or spray is safely applied in liberal quantities to humans and animals without unpleasant side effects such as stinging.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 18 OF 18 USPATFULL

ACCESSION NUMBER: 92:27309 USPATFULL
TITLE: **Insect repellent plastic**
INVENTOR(S): Gallagher, Margarethe J., Middletown, NY, United States
PATENT ASSIGNEE(S): Dow Corning Corporation, Midland, MI, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5102662		19920407
APPLICATION INFO.:	US 1989-463000		19891208 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Phelan, D. Gabrielle		
LEGAL REPRESENTATIVE:	DeCesare, Jim L.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	1063		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition which is an unexpanded **plastic** resinous material having uniformly dispersed and incorporated therein discrete particles of a highly cross-linked macroporous hydrophobic polymer. The polymer has entrapped therein a chemical which is a repellent for insects. The chemical is compatible with the unexpanded **plastic** resinous material. Also disclosed is an article of manufacture and the article is preferably an outdoor accessory such as an item of lawn furniture. However, any article of manufacture which is desired to release a repellent for the purpose of inhibiting or eradicating the collection and swarming of insects would be appropriate in accordance with the invention, whether such articles are intended for indoor or outdoor use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L14 1 US4728540/PN

=> d his

(FILE 'HOME' ENTERED AT 12:58:24 ON 30 JUN 2003)

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FILE 'USPATFULL' ENTERED AT 12:58:35 ON 30 JUN 2003

L1 144 S INSECT REPELLENT?/TI
L2 367 S DEET
L3 76 S L1 AND L2
L4 767351 S FLIE OR YELLOW JACKETS OR ANT?
L5 2412048 S S
L6 775559 S FLIE? OR YELLOW JACKET? OR ANT?
L7 66 S L3 AND L6
L8 71085 S SALICYLATE? OR BENZOATE? OR LEMON OIL? OR TEA TREE OIL?
L9 29 S L7 AND L8
L10 21948 S FRAGRANCE?
L11 21 S L9 AND L10
L12 1224024 S PAPER OR PLASTISOL OR GEL OR FABRIC OR CLAY OR WAX OR PLASTIC
L13 18 S L11 AND L12
L14 1 S US4728540/PN

=>.s l13 and l14

L15 0 L13 AND L14

=> s l14 and l1

L16 0 L14 AND L1

=> s insect repellent and l13

36009 INSECT

12891 REPELLENT

984 INSECT REPELLENT

(INSECT(W) REPELLENT)

L17 18 INSECT REPELLENT AND L13

=> s insect repellent?

36009 INSECT

15189 REPELLENT?

L18 1629 INSECT REPELLENT?

(INSECT(W) REPELLENT?)

=> s l18 and l14

L19 0 L18 AND L14